ViewSonic®

VG150/
VG150B

ViewPanel®

User's Guide

Guide de l'utilisateur

Bedienungsanleitung

Manual de Instrucciones

Guida utente

Guia do usuário

Användarhandbok

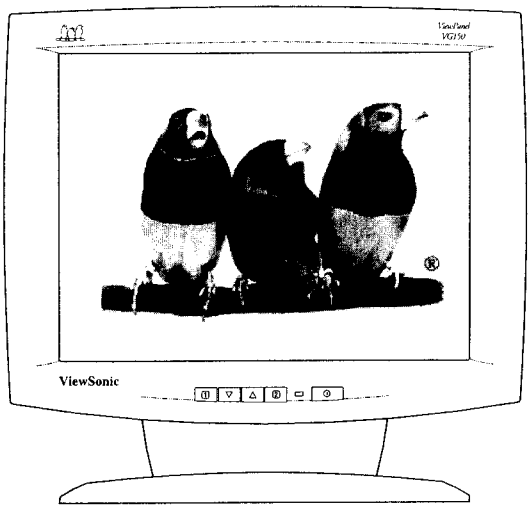
Руководство для пользователя

ユーザース・ガイド

用戶手冊

用户指南

사용자 설명서



With Plug and Play

Full 15.0" Diagonal Viewable Screen

Important Safety Instructions

1 Read these instructions thoroughly.

2 Follow all warning and instructions marked on this product.

3 Unplug the product from the wall outlet before cleaning. See the *Cleaning the ViewPanel* on page 14.

4 Do not use the product near water. Never spill liquid of any kind on the product.

5 Do not place the product on an unstable cart, stand, or table. Doing so may cause the product to fall, which can seriously damage it.

6 Slots and openings in the cabinet are provided for ventilation. To ensure reliable operation, never block these ventilation slots by placing the product on a bed, sofa, rug, or similar surface. This product should never be placed near or over a radiator or heat register; or installed in any enclosure that prevents proper ventilation.

7 Make sure the power source complies with the power recommendation printed on the back of the product. If you are not sure of the type of power provided by the wall socket, consult your dealer or local power company.

8 Do not place any object on the power cord. Do not place this product where people could walk on the power cord.

9 If you use an extension cord with this product, make sure the total ampere rating of the product(s) plugged into the extension cord does not exceed the ampere rating of the extension cord.

10 Never push objects of any kind through the ventilation slots at the back of the product. To do so could risk fire or electric shock.

11 Do not attempt to service this product yourself. Opening or removing covers may expose you to dangerous voltage that could cause fire or electric shock. Refer all servicing needs to authorized service personnel.

12 Unplug this product from the wall outlet and contact authorized service personnel under the following conditions:

a) When the power cord or plug is damaged or frayed.

b) If a liquid has been spilled into or on the product, including rain.

c) If the product does not operate normally when operating instructions are followed. Only adjust those controls that are covered by the operating instructions, since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

d) If the product has been dropped or the cabinet has been damaged.

e) If the product exhibits a distinct change in performance, indicating a need for service.

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As an **ENERGY STAR® partner**, ViewSonic Corp. has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

Electronic Warranty Registration

Register your ViewPanel® at **www.viewsonic.com**. It's fast, easy, and will simplify future support needs.

For your records

The serial number of this product is on the back of the ViewPanel. Write the serial number in the space below and keep this guide as a permanent record of your purchase to aid in identification in the event of theft or loss.

Product Name: **ViewSonic VG150/VG150B ViewPanel**

Model Number: **VLCDS21457-1/VLCDS21457-2**

Serial Number: _____

Purchase Date: _____

FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause unacceptable interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your dealer or an experienced radio/TV technician for help.

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FCC Warning:

To assure continued FCC compliance, the user must use the provided grounded power supply cord and the shielded video interface cable with bonded ferrite cores. Also, any unauthorized changes or modifications to this ViewPanel would void the user's authority to operate this device.

Department of Industry Canada (IC) Compliance Notice

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

DOC avis de conformation

Cet appareil est bien conforme à la directive communautaire No 82/499/CEE.

CE Certification

CE

This device complies with the requirements of the EEC directive 89/336/EEC with regard to "Electromagnetic compatibility."

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Getting Started

Congratulations on your purchase of a **ViewSonic *VG150/VG150B*** ViewPanel®! *Save the original box and all packing material for future shipping needs.*

NOTE: The "B" in VG150B refers to the black color of this version of the product. The word "Windows®" in this user guide refers to the following Microsoft® operating systems: Windows '95, Windows '98, Windows NT® (5.0).

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Package Contents

Your **ViewSonic *VG150/VG150B* ViewPanel** package includes the following:

- **ViewSonic *VG150/VG150B* ViewPanel**
- Video cable with 15 pin HD (High Density) D-sub connector
- Power cord
- User's guide
- INF and ICM installation files on CD-ROM

IMPORTANT: The supplied INF file assures compatibility with Windows operating systems, and the ICM (Image Color Matching) file ensures accurate on-screen colors. ViewSonic® recommends that you install both files: insert the CD-ROM into your system, wait for it to auto-load, select "Monitor Drivers," and follow the on-screen instructions.

Precautions

- Sit at least 18" from the ViewPanel.
- Do not apply pressure to the screen. The LCD screen is very delicate.
- Avoid touching the screen directly with your fingers, as oil from your skin is difficult to remove.
- Avoid exposing the ViewPanel to direct sunlight or other heat source. The ViewPanel should be facing away from direct sunlight to reduce glare.
- Choose a well ventilated area to position your ViewPanel to allow adequate dissipation of heat. Do not place anything on top of the ViewPanel.
- Ensure the area around the ViewPanel is clean and moisture-free.
- If smoke, abnormal noise, or strange odor is present, immediately switch the ViewPanel off and call your dealer. It is dangerous to continue using the ViewPanel.
- Never remove the rear cover. The display unit contains high-voltage parts. You may suffer electric shock if you touch these parts.
- Always handle your ViewPanel with care when moving it.

Quick Installation

1 Connect video cable

Make sure both the ViewPanel® and computer are powered OFF.

- Remove the bottom rear cover and lift up the top rear cover.
- Connect the video cable to the computer, then to the ViewPanel.

Macintosh® users: Connect a Macintosh adapter to the video cable, then to the ViewPanel. To order a ViewSonic® Macintosh adapter, contact ViewSonic (see the back cover of this guide). You will need to provide your ViewPanel's serial number.

2 Connect DC adapter and power cord

- Connect the DC Adapter to the ViewPanel, then to the power cord.
- Connect the power cord to a properly grounded AC outlet.

3 Power-ON computer and ViewPanel

Power-ON the computer, then Power-ON the ViewPanel.

NOTE: At this point Windows® 98 users may receive a message asking them to install the VG150's INF file. Insert the enclosed CD-ROM, wait for it to auto-load, select "Monitor Drivers" and follow the on-screen instructions.

4 For best image quality:

(1) Set your graphic card's timing (resolution and refresh rate) to **1024x768@60Hz**.

(2) Activate AUTO SYNC (see page 10 for more information).

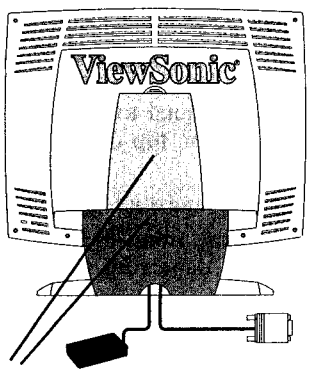
(3) If necessary, make small adjustments using H POSITION and V POSITION (Horizontal Position and Vertical Position) until the screen image is completely visible. (The black border around the edge of the screen should barely "touch" the illuminated "active area" of the ViewPanel.)

(4) Adjust FINETUNE until the screen image looks focused, crisp, and sharp.

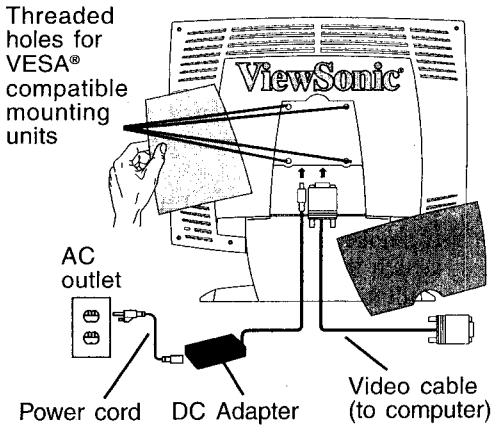
Installation is complete!

Enjoy your new VG150 ViewPanel!

To be best prepared for any future customer service needs, write the serial number (see back of this guide.)



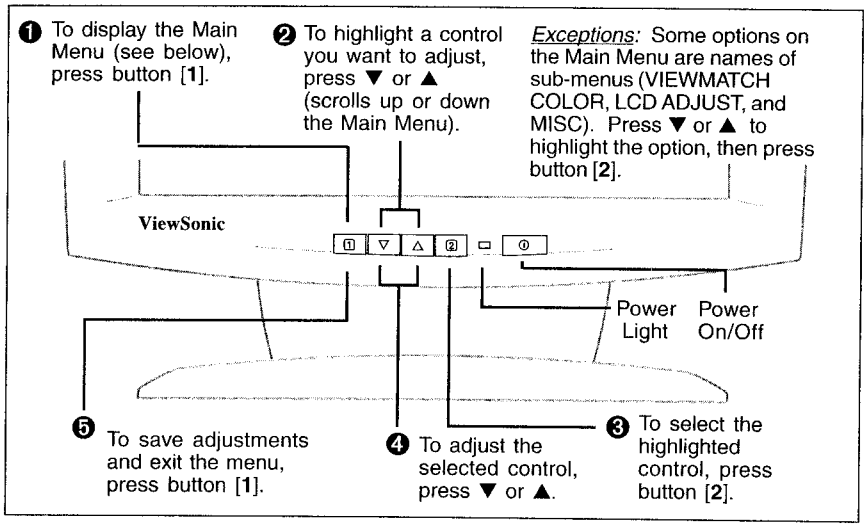
Top and bottom removable rear covers



Operation

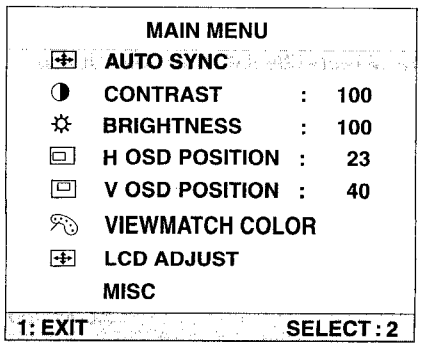
To adjust the screen image using the OnView® controls, follow the steps in the numbered sequence shown below:

Front Control Panel


❶ To display the Main Menu (see below), press button [1].
❷ To highlight a control you want to adjust, press ▼ or ▲ (scrolls up or down the Main Menu).
Exceptions: Some options on the Main Menu are names of sub-menus (VIEWMATCH COLOR, LCD ADJUST, and MISC). Press ▼ or ▲ to highlight the option, then press button [2].
ViewSonic
Power Light
Power On/Off
❺ To save adjustments and exit the menu, press button [1].
❹ To adjust the selected control, press ▼ or ▲.
❸ To select the highlighted control, press button [2].

OnView Main Menu

The menu shown below displays when you press button [**1**]. Some Main Menu options (like CONTRAST and VIEWMETER®) appear as separate controls. Other menu options are names for sub-menus (LCD ADJUST, VIEWMATCH® COLOR, and MISC).



NOTE: All OnView menus and adjustment screens disappear automatically after about 30 seconds.

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To save changes and exit Main Menu, press button [1].

MAIN MENU Options

For the best image quality, do the following:

1. Adjust your computer's graphic card so that it outputs a video signal 1024 x 768 @ 60Hz to the VG150/VG150B. (Look for instructions on "changing the refresh rate" in your graphic card's user guide.)
2. Activate AUTO SYNC (*shortcut: press button [2] before displaying the Main Menu).*
3. If necessary, make small adjustments using H POSITION and V POSITION until the screen image is completely visible. (The black border around the edge of the screen should barely touch the illuminated "active area" of the ViewPanel.)
4. Adjust FINETUNE so that the screen image looks focused, crisp and sharp.

AUTO SYNC automatically centers and sizes the screen image. Press button **[2]** to activate AUTO SYNC.

NOTE: (Windows® users) start from the Windows desktop.

Shortcut: Before you display the Main Menu, press button **[2]** to activate AUTO SYNC.

CONTRAST adjusts foreground white level of screen image.

▲ increases contrast, ▼ decreases contrast.

BRIGHTNESS adjusts background black level of screen image.

▲ increases brightness, ▼ decreases brightness.

H OSD POSITION (Horizontal On-Screen-Display Position) moves the OSD horizontally to the right or left.

▲ moves OSD right, ▼ moves OSD left.

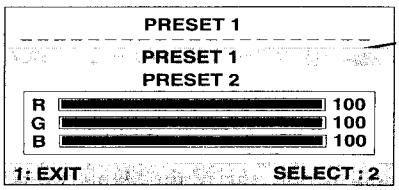
V OSD POSITION (Vertical On-Screen-Display Position) moves the OSD vertically up or down.

▲ moves OSD up, ▼ moves OSD down.

...continued

MAIN MENU Options (continued)

VIEWMATCH® COLOR Sub-Menu provides three color adjustment modes:

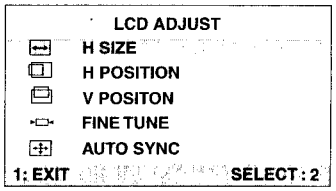


In this example **PRESET 1** is selected.

PRESET 1 -- for a colder, more blue image
PRESET 2 -- for a warmer, more red image
USER -- allows you to adjust R (red), G (green), and B (blue) individually. To adjust USER colors, do the following:

1 To select color (R, G, or B) press button [**2**].
2 To adjust selected color, press ▼ or ▲.
3 When you are finished making all color adjustments, press button [**1**] *twice*.

LCD ADJUST Sub-Menu



H SIZE (Horizontal Size) adjusts the horizontal size (width) of screen image.
▲ increases the width of screen image, ▼ decreases the width of screen image.

H POSITION (Horizontal Position) moves screen image left or right.
▲ moves screen image to right, ▼ moves screen image to left.

V POSITION (Vertical Position) moves entire screen image up or down.
▲ moves screen image up, ▼ moves screen image down.

...continued

To save changes and exit Main Menu, press button [1].

LCD ADJUST Sub-Menu (continued)

FINE TUNE sharpens the focus by aligning the illuminated pixels.

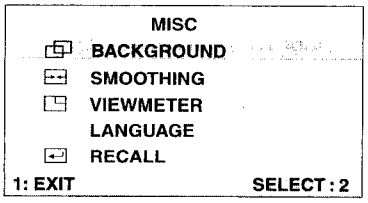
Press ▲ or ▼ until the screen image looks focused, crisp, and sharp.

AUTO SYNC automatically centers and sizes screen image. Press button [2] to activate AUTO SYNC.

NOTE: (Windows® users) start from the Windows desktop.

Shortcut: Before you display the Main Menu, press button [2] to activate AUTO SYNC.

MISC (Miscellaneous) Sub-Menu



BACKGROUND allows you to turn the blue OSD background on or off.

Press button [2] to toggle the blue OSD background on or off.

SMOOTHING makes characters of displayed text easier to read. Press button [2] to toggle SMOOTHING on or off.

NOTE: Only for resolutions lower than 1024x768.

VIEWMETER® displays the timing mode (video signal input) coming from the graphics card in your computer. See your graphic card's user guide for instructions on changing the resolution and refresh rate (vertical frequency).

NOTE: See the chart at the bottom of page 12 for the preset timing modes of the VG150/VG150B ViewPanel®.
Example: **VESA® 1024 x 768 @ 60Hz** (recommended) means that the resolution is 1024x768 and the refresh rate is 60 Hertz.

...continued

To save changes and exit Main Menu, press button [1].

MISC (Miscellaneous) Sub-Menu (continued)

LANGUAGE allows you to choose the language used in the menus and control screens.

Press ▲ or ▼ to select a language (English, French, German, Spanish, or Italian)

↵ **RECALL** returns adjustments back to factory settings only if the monitor is operating in a factory preset mode (page 12).

To return all controls to factory settings, press ▼ or ▲.

Exception: This control will not affect changes made with the USER color control.

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Other Information

Specifications

LCD	Type	15" (full 15" viewable diagonal area), TFT (Thin Film Transistor), Active Matrix XGA LCD, 0.297mm pixel pitch
	Color Filter	RGB vertical stripe
	Glass surface	Anti-Glare
Maximum Viewing Angles	Left	60°
	Right	60°
	Up	45°
	Down	55°
Input Signal	Video Sync	RGB analog (0.7 /1.0 Vp-p, 75 ohms) Composite Sync, Separate Sync, Sync on Green f_h: 30-62 kHz, f_v: 50-70 Hz
Compatibility	PC	Up to 1024 x 768 NI
	Macintosh®*1	Power Macintosh® 640 x 480 and 1024 x 768
Maximum Refresh Rates		1024 x 768 NI @ 60 Hz 800 x 600 NI @ 60 Hz 640 x 480 NI @ 60 Hz
Power	Voltage	100-240 VAC, 50/60 Hz (auto switch), 12VDC, 3A.
Display Area	Full scan	304.1mm (H) x 228.1mm (V) 12.0" (H) x 9.0" (V)
Operating Conditions	Temperature	32°F to 104°F (0°C to 40°C)
	Humidity	10% to 90% (no condensation)
	Altitude	To 10,000 feet
Storage Conditions	Temperature	-4°F to +140°F (-20°C to +60°C)
	Humidity	10% to 90% (no condensation)
	Altitude	To 40,000 feet
Dimensions	Physical	390mm (W) x 372mm (H) x 138mm (D)
	(ViewPanel® only)	15.3" (W) x 14.6" (H) x 5.4" (D)
Weight	Net	5.0 kg (11.0 lb) ViewPanel only
Regulations	UL, FCC-B, ENERGY STAR®, CSA, DOC-B, CE, CUL, MPR II, TCO'99 (VG150),TCO'92 (VG150B), Nordic, TUV/GS,NEMKO,SEMKO, DEMKO,FIMKO,VCCI B,BCIQ,C-Tick,CB,TUV/EMC,TUV/Ergo	
Power saving modes	On	Normal (green LED)
	DPMS™ Stand By	<5W (orange LED)
	DPMS Suspend	<5W (orange LED)
	DPMS Off	<3W (orange LED)

Preset Timing Modes (pre-adjusted to VESA® 1024 x 768 @ 60Hz)

VGA 640 x 350 @ 70Hz	VESA 800 x 600 @ 56Hz, 60Hz
VGA 640 x 400 @ 70Hz	VESA1024 x 768 @ 60Hz
VESA 640 x 480 @ 60Hz	Macintosh 640 x 480 @ 67Hz

*1 *Macintosh computers require a ViewSonic® Macintosh adapter. To order an adapter, contact ViewSonic. See the back cover of this guide.*

*2 ***Warning:** Do not set the graphics card in your computer to exceed these maximum refresh rates. Doing so may result in permanent damage to the ViewPanel. NI= Non Interlaced.*

Troubleshooting

No power

- Make sure power button (or switch) is ON.
- Make sure A/C power cord is securely connected to the back of the ViewPanel® and to a power outlet.
- Plug another electrical device (like a radio) into the power outlet to verify that the outlet is supplying proper voltage.

Power on but no screen image

- Make sure the video cable supplied with the ViewPanel is tightly secured to the video output port on the back of the computer. If the other end of the video cable is not attached permanently to the ViewPanel, tightly secure it to the ViewPanel. The ViewPanel comes with a 15 pin mini D-sub signal cable.
- Adjust brightness and contrast.
- Check this user's guide to see if an adapter is required for proper signal continuity between the graphics card and ViewPanel.

Horizontal lines "streak" across the screen

- Set the refresh rate (vertical frequency) to 60 Hz. See your graphic card's use guide for instructions.

Wrong or abnormal colors

- If any colors (red, green, or blue) are missing, check the video cable to make sure it is securely connected. Loose or broken pins in the cable connector could cause an improper connection.
- Connect the ViewPanel to another computer.
- If you have an older graphics card, contact ViewSonic® for a non-DDC adapter. (See the back of this guide).

Entire screen image scrolls (rolls) vertically

- Make sure video input signals are within the ViewPanel's specified frequency range.
- Try the ViewPanel with another power source, graphics card, or computer system.
- Connect the video cable securely.

Control buttons do not work

- Press only one button at a time.

Cleaning the ViewPanel®

- MAKE SURE THE VIEWPANEL IS TURNED OFF.
- NEVER SPRAY OR POUR ANY LIQUID DIRECTLY ONTO THE SCREEN OR CASE.

To clean the screen

1 Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.

2 If still not clean, apply a small amount of non-ammonia, non-alcohol based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.

To clean the case

1 Use a soft, dry cloth.

2 If still not clean, apply a small amount of a non-ammonia, non-alcohol based, mild non-abrasive detergent onto a clean, soft, lint-free cloth, then wipe the surface.

DISCLAIMER

ViewSonic® does not recommend the use of any ammonia or alcohol-based cleaners on the ViewPanel screen or case. Some chemical cleaners have been reported to damage the screen and/or case of the ViewPanel®. ViewSonic will not be liable for damage resulting from use of any ammonia or alcohol-based cleaners.

LIMITED WARRANTY
VIEWSONIC *VG150/VG150B* VIEWPANEL®

What the warranty covers:
ViewSonic® warrants its products to be free from defects in material and workmanship during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, **ViewSonic** will at its sole option repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

How long the warranty is effective:
The **ViewSonic** ***VG150/VG150B*** ViewPanel is warranted for three (3) years for all parts excluding the light source, three (3) years for all labor, and one (1) year for the light source from the date of the first consumer purchase.

Who the warranty protects:
This warranty is valid only for the first consumer purchaser.

What the warranty does not cover:
1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
   a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
   b. Repair or attempted repair by anyone not authorized by **ViewSonic**.
   c. Any damage of the product due to shipment.
   d. Removal or installation of the product.
   e. Causes external to the product, such as electric power fluctuations or failure.
   f. Use of supplies or parts not meeting **ViewSonic**'s specifications.
   g. Normal wear and tear.
   h. Any other cause which does not relate to a product defect.
3. Removal, installation, and set-up service charges.

How to get service:
1. For information about receiving service under warranty, contact **ViewSonic** Customer Support. See the back cover of this user's guide.
2. To obtain service under warranty, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
3. Take or ship the product prepaid in the original container to your **ViewSonic** dealer, any **ViewSonic** service center or **ViewSonic**.
4. For additional information or the name of the nearest **ViewSonic** service center, contact your **ViewSonic** dealer or **ViewSonic**.

Limitation of implied warranties:
THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION CONTAINED HEREIN INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Exclusion of damages:
VIEWSONIC'S LIABILITY IS LIMITED TO THE COST OF REPAIR OR REPLACEMENT OF THE PRODUCT. **VIEWSONIC** SHALL NOT BE LIABLE FOR:
1. DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN THE PRODUCT, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, LOSS OF PROFITS, LOSS OF BUSINESS OPPORTUNITY, LOSS OF GOODWILL, INTERFERENCE WITH BUSINESS RELATIONSHIPS, OR OTHER COMMERCIAL LOSS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
2. ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.
3. ANY CLAIM AGAINST THE CUSTOMER BY ANY OTHER PARTY.

Effect of state law:
This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of *incidental or consequential damages, so the above limitations and exclusions may not apply to you.*

Sales outside the U.S.A.:
For **ViewSonic** products sold outside of the U.S.A., contact your **ViewSonic** dealer for warranty information and service.

REV 7/16/98

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